

1 The state of the art in distributed query processing

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Distributed data processing is becoming a reality. Businesses want to do it for many reasons, and they often must do it in order to stay competitive. While much of the infrastructure for distributed data processing is already there (e.g., modern network ...

Keywords: caching, client-server databases, database application systems, dissemination-based information systems, economic models for query processing, middleware, multitier architectures, query execution, query optimization, replication, wrappers

2 Integration of text-based applications into service-oriented architectures for transnational digital government

Andréa Matsunaga, Maurício Tsugawa, José A. B. Fortes

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Significant efforts are currently being pursued by several countries and IT providers to deploy SOA (Service Oriented Architecture) designs of digital government systems that integrate or implement workflows of multiple software services and data sources. ...

Keywords: system integration, system interoperability, system management, transnational information system

3 Using XForms to simplify Web programming Richard Cardone, Danny Soroker, Alpana Tiwari